

AMENDMENTS TO THE ABSTRACT

**Please replace the current abstract with the replacement abstract provided
on a separate sheet.**

ABSTRACT

The A standard model creating apparatus which provides a high-precision standard model used ~~for~~ for pattern recognition such as speech recognition, character recognition, or image recognition using a probability model based on a hidden Markov model, Bayesian theory, or linear discrimination analysis; intention interpretation using a probability model such as a Bayesian net; data-mining performed using a probability model; and so forth. ~~forth, the~~ The standard model creating apparatus comprising: includes a reference model preparing unit (102) ~~operable to prepare at least one that prepares at least one~~ reference model; a reference model storing unit (103) ~~operable to store that stores~~ the reference model (121) prepared by the reference model preparing unit (102); and a standard model creating unit (104) ~~operable to create that creates~~ a standard model (122) by calculating statistics of the standard model so as to maximize or locally maximize the probability or likelihood with respect to the ~~at least one~~ reference model stored in the reference model storing unit (103).